

WHAT IS CLAIMED IS:

1. A method of registering a mobile node comprising the steps of:  
receiving registration information;  
self-selecting in response to receiving the registration information; and  
responding to the registration information in response to performing the self-selecting.
2. A method of registering a mobile node as set forth in claim 1, wherein the registration information is RFC 3422 compliant information.
3. A method of registering a mobile node as set forth in claim 1, wherein the registration information comprises timestamp information.
4. A method of registering a mobile node as set forth in claim 1, wherein the registration information comprises network access identifier information.
5. A method of registering a mobile node as set forth in claim 1, wherein the registration information comprises mobile address information.
6. A method of registering a mobile node as set forth in claim 1, wherein the step of self-selecting comprises the step of performing a perfect hashing algorithm.
7. A method of registering a mobile node as set forth in claim 1, wherein the step of self-selecting comprises the step of performing a round robin algorithm
8. A method of registering a mobile node as set forth in claim 1, wherein the step of self-selecting comprises the step of performing a Pearson algorithm.

9. A method of registering a mobile node as set forth in claim 1, the step of self-selecting further comprising the steps of:

generating a value;  
determining that the value is within a range of numbers; and  
performing the step of responding to the registration information in response to determining that the value is within the range of numbers.

10. A method of registering a mobile node as set forth in claim 1, wherein load balancing is performed in response to performing the method of registering a mobile node.

11. A method of registering a mobile node as set forth in claim 1, the step of self-selecting further comprising the steps of:

generating a value that falls within a range of numbers;  
comparing the value to a predefined range of numbers; and  
if the value falls within the predefined range of numbers performing the step of responding to the registration information.

12. A method of registering a mobile node as set forth in claim 11, wherein the value is randomly generated.

13. A method of registering a mobile node comprising the steps of:

receiving registration information;  
generating a value that falls within a range of numbers in response to receiving the registration information;

comparing the value to a predefined range of numbers in response to generating the value; and

if the value falls within the predefined range of numbers, responding to the registration information.

14. A method of registering a mobile node as set forth in claim 13, wherein the predefined range of numbers is a bin.

15. A method of registering a mobile node as set forth in claim 13, wherein the value is randomly generated.

16. A method of registering a mobile node comprising the steps of:  
receiving registration information;  
identifying the registration information as a retransmission of a registration request in response to receiving the registration information;  
generating a value in response to identifying the registration information as a retransmission of a registration request;  
comparing the value to a predefined range of numbers in response to generating the value; and  
if the value falls within the predefined range of numbers, responding to the registration information.

17. A method of registering a mobile node as set forth in claim 16, wherein the predefined range of numbers is a secondary bin.

18. A method of registering a mobile node as set forth in claim 16, wherein the step of identifying the registration information as a retransmission of a registration request is performed in response to checking a retransmission bit field.

19. A method of registering a mobile node as set forth in claim 16, wherein the step of identifying the registration information as a retransmission of a registration request is performed in response to determining time elapsed from an initial registration attempt.

20. A method of registering a mobile node as set forth in claim 16, wherein the step of identifying the registration information as a retransmission of a registration request is performed in response to identifying a number of registration attempts.

21. An apparatus comprising:  
means for receiving registration information;  
means for self-selecting in response to receiving the registration information; and  
means for responding to the registration information in response to performing the self-selecting.

22. An apparatus as set forth in claim 21, wherein the apparatus is a home agent.

23. An apparatus as set forth in claim 21, wherein the apparatus is a wireless device.

24. An apparatus as set forth in claim 21, wherein the apparatus is a wireline device.

25. An apparatus comprising:  
means for receiving registration information;  
means for identifying the registration information as a retransmission of a registration request in response to receiving the registration information;  
means for generating a value in response to identifying the registration information as a retransmission of a registration request;  
means for comparing the value to a predefined range of numbers in response to generating the value; and

if the value falls within the predefined range of numbers, means for responding to the registration information.

26. An apparatus as set forth in claim 25, wherein the apparatus is a wireless device.

27. An apparatus as set forth in claim 25, wherein the apparatus is a wireline device.